

Converting Colors

XYZ(64.2548, 68.3544, 87.8727)

Have a look what the booklet for
XYZ(64.2548, 68.3544, 87.8727)
contains.

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Color

**XYZ(64.0213, 68.1228,
87.6166)**

Conversions

Conversions Part 1

Format	Color
Hex	CAD9EA
RGB	202, 217, 234
RGB Percent	79%, 85%, 92%
CMY	0.2078, 0.1490, 0.0823
CMYK	0.14, 0.07, 0.00, 0.08
HSL	212°, 43%, 85%
HSV	212°, 14%, 92%
XYZ	64.0213, 68.1228, 87.6166
YIQ	214.4530, -14.3970, 2.1070

Conversions

Conversions Part 2

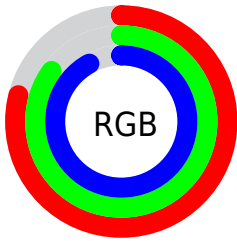
Format	Color
R _Y B	202, 212, 234
Decimal	13294058
CIE Lab	86.07, -1.65, -10.05
CIE LCh	86, 10.182, 260.653
Yxy	68.1228, 0.2913, 0.3100
Android (android.graphics.Color)	4291484138 (0xFFCAD9EA)
YUV	214.4530, 9.6367, -10.9213
Hunter-Lab	82.5365, -5.9814, -5.1637

Details

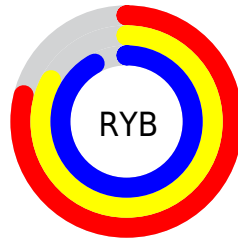
The XYZ color **64.0213, 68.1228, 87.6166** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.9243, 72.4195, 66.1715**, and the grayscale version is **64.1674, 67.5091, 73.5174**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1690, 35.3509, 47.1947** is the 20% darker color. If you saturate the color by 10%, you get **55.0800, 58.9368, 86.3159**, and if you desaturate by 10%, it is **74.1680, 78.2920, 89.0457**.

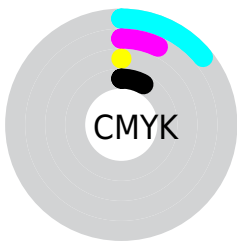
Distribution



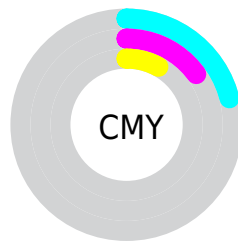
- Red (79%)
- Green (85%)
- Blue (92%)



- Red (79%)
- Yellow (83%)
- Blue (92%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)
- Black (8%)



- Cyan (21%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0213, 68.1228, 87.6166 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 64.0213, 68.1228, 87.6166 by changing the saturation by 10% instead.

■ 64.0213, 68.1228,
87.6166

■ 64.0213, 68.1228,
87.6166

428.8676,
453.9310, 540.6156

■ 46.9297, 49.9976,
65.4431

109.7152,
116.5278, 145.9297

■ 33.1878, 35.4115,
47.3668

139.0481,
147.5764, 182.9064

■ 22.4303, 23.9801,
32.9693

173.1922,
183.7017, 225.6545

■ 14.2918, 15.3188,
21.8320

212.5129,
225.2879, 274.5925

■ 8.4069, 9.0434,
13.5364

257.3753,
272.7196, 330.1392

■ 4.4104, 4.7695,
7.6639

308.1451,

■ 1.9368, 2.1127,

326.3811, 392.7128

3.7960

365.1873,
386.6567, 462.7321

■ 0.5981, 0.6717,
1.5141

■ 0.0000, 0.0000,
0.2284

■ 64.0213, 68.1228,
87.6166

■ 64.0213, 68.1228,
87.6166

■ 55.0800, 58.9368,
86.3159

■ 74.1680, 78.2920,
89.0457

■ 47.2896, 50.6927,
85.1352

■ 85.5595, 89.4669,
90.6023

■ 40.6004, 43.3586,
84.0721

■ 91.6262, 98.2700,
91.9817

■ 34.9563, 36.8970,
83.1224

■ 91.8515, 98.7206,
92.0568

■ 30.2958, 31.2676,
82.2814

■ 26.5502, 26.4259,
81.5443

■ 23.6409, 22.3218,
80.9055

■ 21.4733, 18.8965,
80.3586

■ 20.3961, 17.0298,
80.0550

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.9402, 68.1228, 84.5822



64.0213, 68.1228, 87.6166



66.3472, 68.1228, 86.8851

Triad

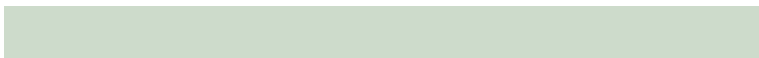
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.0213, 68.1228, 87.6166



69.0469, 68.1228, 69.7253



61.3342, 68.1228, 66.3073

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.0213, 68.1228, 87.6166



69.9243, 72.4195, 66.1715

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.1760, 68.1228, 62.7676



64.0213, 68.1228, 87.6166



67.6408, 68.1228, 64.6570

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.0213, 68.1228, 87.6166



69.2864, 68.1228, 76.2849



65.4815, 68.1228, 62.1821



60.4135, 68.1228, 72.1027

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.0213, 68.1228, 87.6166



67.7217, 68.1228, 84.3766



65.4815, 68.1228, 62.1821



61.8640, 68.1228, 64.8292

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64.0233, 68.1256, 87.6181



89.6924, 94.7083, 108.1610



66.5060, 76.4933, 77.9569



18.9881, 20.0632, 23.1218



0.0000, 0.0000, 0.0000



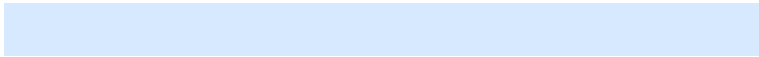
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.0233, 68.1256, 87.6181



75.0720, 80.0103, 106.0946



60.4749, 60.8142, 86.3939



14.8135, 15.7134, 19.1745



11.5849, 9.8169, 45.0272



1.0052, 0.9619, 3.5676

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



67.5782, 64.7448, 74.5841



80.0922, 75.3564, 87.6611



73.8415, 80.5133, 67.5273



15.3594, 15.1716, 17.1779



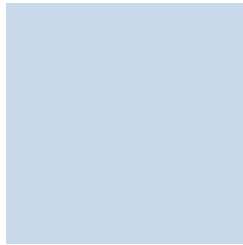
20.7028, 10.4838, 9.5025



1.6739, 0.8425, 1.0001

Previews

White Background



This preview shows how the XYZ color 64.0213, 68.1228, 87.6166 looks on a white background.

Color Contrast Check

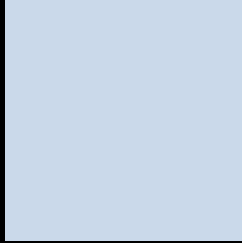
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 64.0213, 68.1228, 87.6166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

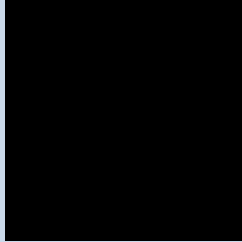
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

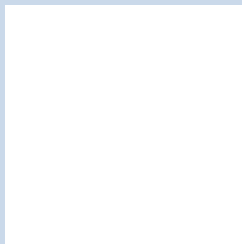
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0213, 68.1228, 87.6166

Background



This preview shows how black text looks on a background with the XYZ color 64.0213, 68.1228, 87.6166.



This preview shows how white text looks on a background with the XYZ color 64.0213, 68.1228,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64.0213, 68.1228, 87.6166

Protanopia

66.3436, 68.2155, 86.0141

Deuteranopia

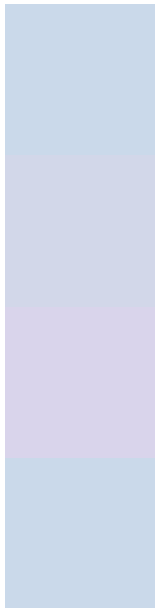
69.3048, 67.8258, 88.7958



Tritanopia

64.0213, 68.1228, 87.6166

Trichromacy



Original Color

64.0213, 68.1228, 87.6166

Protanomaly

65.5868, 68.1857, 86.7952

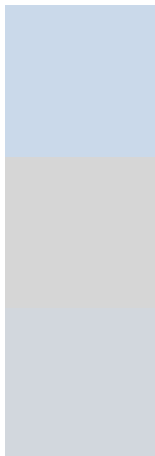
Deuteranomaly

67.1542, 67.8368, 88.1517

Tritanomaly

64.0213, 68.1228, 87.6166

Monochromacy



Original Color

64.0213, 68.1228, 87.6166

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.9299, 67.5230, 78.0704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0213, 68.1228, 87.6166 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(202, 217, 234)` looks like.

```
.text, #text, p{  
    color:rgb(202, 217, 234)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(202, 217, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 217, 234) }
```

Border

The CSS property to change the border of an element to XYZ 64.0213, 68.1228, 87.6166 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 217, 234) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(202, 217, 234) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(202, 217, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 217, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 217, 234);  
box-shadow:4px 4px 4px 4px rgb(202, 217,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0213, 68.1228, 87.6166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 217, 234) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(202,  
217, 234) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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